

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001500

## A. CLASSIFICATION OF SUBJECT MATTER

B05D-3/06, B05C-11/08, B05C-5/00, C04B-35/10, C23D-3/00, C23C-26/00

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
B05D-3/06, B05C-11/08, B05C-5/00, C04B-35/10, C23D-3/00, C23C-26/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)  
Delphion, USPTO, Canadian Patent Database, West, and Knovel

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Liakos et al.: "Self-assembly of mono-functional aliphatic molecules on magnetron sputtered aluminium" July 2003 <a href="http://www2.umist.ac.uk/corrosion/Alexander_Presentations/">http://www2.umist.ac.uk/corrosion/Alexander_Presentations/</a> page 3, paragraph 3; page 4, paragraph 1; page 4, paragraph 2; page 6, paragraph 1; page 7, paragraph 2; Discussion and conclusions pages 9-20.	1, 8, 9, 12, 15, 34, 37, 38, and 44
X	Hahner: "Organic Films (Langmuir-Blodgett Films and Self-Assembled Monolayers)" Encyclopaedia of Chemical Physics and Physical Chemistry, vol. 1-3, 2001, pages 15-37 page 15, paragraph 3; page 17, paragraph 4; page 17, paragraph 6; page 17, paragraph 7; page 18, paragraph 1; page 18, paragraph 2.	1, 8-10, 12-15, 34, 37-38, 40, 44, 51, 55, and 57-58

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

- \* Special categories of cited documents :
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international-type search  
21 December 2004 (21-12-2004)Date of mailing of the international-type search report  
19 January 2005 (19-01-2005)Name and mailing address of the ISA/  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
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Toby Maurice (819) 997-2963

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Hahner: "Organic Films (Langmuir-Blodgett Films and Self-Assembled Monolayers)" Encyclopaedia of Chemical Physics and Physical Chemistry, vol. 1-3, 2001, pages 15-37 the whole document	1-2, 4-13, 15-16, 34-35, 37-42, 44- 52, and 54-58
Y	CA 2,453,537 Guire et al. January 30, 2003 (2003.1.30) page 9, line 25; page 10, lines 1-19; and page 12, lines 1-5	1, 34, and 51
A	US 6,632,536 Buchwalter et al. Oct. 14, 2003 column 2, lines 23-36	1, 17, 34, 51
A	US 6,632,536 Buchwalter et al. Oct. 14, 2003 column 2, lines 23-36	1, 17, 34, 51

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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CA 2,453,537	20-02-2003	CA2453537 A1 EP1414819 A1 US2003060464 A1 WO03014118 A1	20-02-2003 06-05-2004 27-03-2003 20-02-2003
US 6,632,536	14-10-2003	US6632536 B2 US2003211341 A1	14-10-2003 13-11-2003
US 6,380,101	30-04-2002	GB0109462D D0 JP2002060979 A US6380101 B1	06-06-2001 28-02-2002 30-04-2002